CLAIMS

1. A fuel injection method, comprising:

starting driving of a solenoid for fuel injection;

detecting a coil current before starting driving of the solenoid;

detecting a coil current when driving the solenoid;

calculating a difference current between the coil current detected when driving the solenoid and the coil current detected before starting driving of the solenoid;

correcting a width of a drive pulse for driving the solenoid based on the difference current calculated; and

halting driving of the solenoid.

2. The fuel injection method according to claim 1, further comprising adjusting a current span based on a predetermined span correction factor after calculating the difference current, wherein

the width of the drive pulse is corrected based on the current span adjusted.

3. The fuel injection method according to claim 1 or 2, wherein the detecting the coil current before starting driving of the solenoid is executed for every driving of the solenoid to correct the width of the drive pulse for every driving of the solenoid.

4. The fuel injection method according to claim 2 or 3, further comprising calculating a span correction factor when adjusting a

product, wherein

the calculating a span correction factor includes calculating a span correction factor based on coil currents that are respectively detected before and after flowing a predetermined current through the solenoid.

5. The fuel injection method according to claim 4, further comprising storing the span correction factor calculated in a rewritable storage unit.